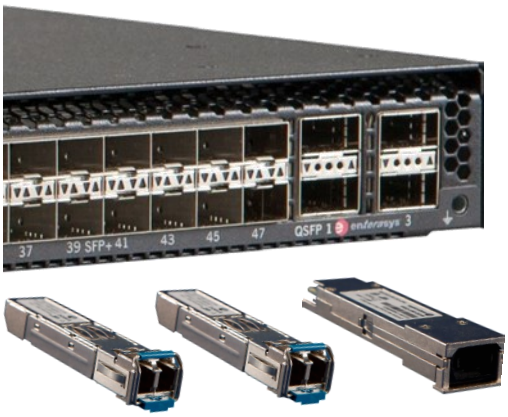
DATASHEET

Pluggable Transceivers

Industry standard Pluggable Transceivers and Direct Attach Cables



Modular Ethernet interfaces from 100Mbps to 40Gbps

Support for a large variety of cable types and transmission distances

Compliant with industry standards

High quality transceiver technology for extended life cycle and improved ROI

Product Overview

Enterasys pluggable transceivers deliver speed and media flexibility for Enterasys product platforms that support pluggable transceiver technology. All Enterasys transceivers are of the highest quality and conform to industry standards and manufacturer multi-source agreements for interoperability. Enterasys fully tests our transceivers with all product platforms to ensure compatibility and compliance.

Transceiver Summary

Multiple media types, port speeds and transmission distances to fit any environment

The wide range of pluggable transceiver and direct attach cables from Enterasys means that you can deploy your Enterasys Ethernet switches, wireless Access Points, and Controllers to utilize a variety of physical media types. Enterasys transceivers provide connectivity options for Ethernet over twisted pair copper and fiber optic cables with speeds from 100 Megabits per second to 40 Gigabits per second. Twisted pair copper transceivers support transmission distances of up to 100 meters and fiber optic transceivers support multi-mode and single-mode fiber optic cable types with transmission distances up to 120 kilometers. Direct connect copper and fiber cable solutions with integrated transceivers provide low cost options for 10 and 40 Gigabit Ethernet connectivity at distances from 0.5 meter to 20 meters.

The Enterasys portfolio of transceiver products consists of a wide range of technology options:

- SFP 100Mb Ethernet Transceivers
- SFP Gigabit Ethernet Transceivers
- SFP+ 10 Gigabit Ethernet Transceivers
- XFP 10 Gigabit Ethernet Transceivers
- QSFP+ 40 Gigabit Ethernet Transceivers
- 10 Gigabit Direct Attach Cables with integrated transceivers
- 40 Gigabit Direct Attach Cables with integrated transceivers

Enterasys transceivers are rigorously qualified and tested for operation in Enterasys equipment. When used as part of an Enterasys system, the system is ensured to comply with all critical safety and regulatory requirements for operation by end users. High reliability ensures a long service life and reduces total cost of ownership over the lifetime of deployment.

Benefits

Business Alignment

- Standards-based technology.
- Flexible interface options for 100Mbs, 1Gbps,10Gbps, and 40Gbps.

Operational Efficiency

- Variety of connectivity options to match specific interface requirements.
- Small form factor packages enables high density deployments.

Interoperability and Quality

- Designed and manufactured to stringent standards.
- Highest quality transceivers technology to ensure long life cycle and reliability.

Support and Service

- Industry leading customer satisfaction and first call resolution rates.

There is nothing more important than our customers.

Transceiver Specifications

	Type	Connector Type	Cable Type	Max Distance*	Wavelength nm	Tx Power Min/Max dBm	Rx Min/ Max dBm	Notes
40 Gigabit Ethernet								
40Gb Transceivers								
40GB-LR4-QSFP	QSFP+	LC Duplex	Single Mode Fiber	10 km	4 Lane WDM 1271 / 1291 / 1311 / 1331	-4.0 / 2.3	-11.5 / 3.3	Tx and Rx power per lane
40GB-SR4-QSFP	QSFP+	MPO Parallel Fiber	Parallel 8 Multi-mode Fiber OM3 50 µm OM4 50 µm	100 m 150 m	4 Lanes 850	-7.6 / 2.4	-9.5 / 2.4	Requires 8 or 12 parallel fiber female MPO cable Tx and Rx power per lane
40Gb Direct Attach Cables and Adapters								
40GB-C0.5-QSFP	QSFP+	QSFP+	Copper	0.5 m	-	-	-	Direct attach cables with integrated QSFP+ transceivers on each end
40GB-C01-QSFP	QSFP+	QSFP+	Copper	1 m	-	-	-	
40GB-C03-QSFP	QSFP+	QSFP+	Copper	3 m	-	-	-	
40GB-C07-QSFP	QSFP+	QSFP+	Copper	7 m	-	-	-	
40GB-F10-QSFP	QSFP+	QSFP+	Fiber	10 m	850	-	-	
40GB-F20-QSFP	QSFP+	QSFP+	Fiber	20 m	850	-	-	
10GB-4-C03-QSFP	QSFP+ SFP+	1 x QSFP+ 4 x SFP+	Copper	3 m	-	-	-	Supports 4 x 10Gb Ethernet SFP+ to one QSFP+ port
QSFP-SFPP-ADPT	QSFP+	1 x SFP+	Adapter supports 1 x SFP+ transceiver in QSFP+ port		-	-	-	10GB-LRM-SFPP not supported
10 Gigabit Ethernet								
10Gb Transceivers								
10GB-ZR-SFPP	SFP+	LC Duplex	Single Mode Fiber	80 km	1550	-1.0 / 4.0	-24 / -7	Min 11dB link attenuation required
10GBASE-ZR-XFP	XFP	LC Duplex	Single Mode Fiber	80 km	1550	0 / 4.0	-25 / -7.0	
10GB-ER-SFPP	SFP+	LC Duplex	Single Mode Fiber	40 km	1550	-1 / 2	-16 / -1	Min 3dB link attenuation required
10GBASE-ER-XFP	XFP	LC Duplex						
10GB-LR-SFPP	SFP+	LC Duplex	Single Mode Fiber	10 km	1310	-8.2 / 0.5	-14.4 / 0.5	Minimum 2m cable length recommended
10GBASE-LR-XFP	XFP	LC Duplex						
10GB-SR-SFPP	SFP+	LC Duplex	Multi-mode Fiber OM1 62.5 µm OM2 50 µm OM3 50 µm OM4 50 µm	33 m 82 m 300 m 550 m	850	-4.3 / -1	-11.1 / -1	
10GBASE-SR-XFP	XFP	LC Duplex						
10GB-USR-SFPP	SFP+	LC Duplex	Multi-mode Fiber OM3 50 µm OM4 50 µm	100 m 150 m	850	-5 / -1.3	-11.1 / -1	Interoperable with 10GB-SR-SFPP up to 100m on OM3 and 150m on OM4
10GB-LRM-SFPP	SFP+	LC Duplex	Multi-mode Fiber OM1 62.5 µm OM2/OM3/OM4 50 µm	220 m 220 m	1310	-4.5 / 1.5	-6.5 / 1.5	SFP+ LRM does not require mode conditioning patch cord
10GBASE-LRM-XFP**	XFP	LC Duplex						XFP LRM requires mode conditioning patch cord
10GBASE-CX4-XFP	XFP	CX4	CX4 Compliant Cable	15 m	-	-	-	
10Gb Bidirectional Single Fiber Transceivers								
10GB-BX40-D	SFP+	LC Simplex	Single Mode Fiber Single Fiber	40 km	Tx 1330/Rx 1270	2 / 7	-14 / 0.5	Min 6.5dB link attenuation required Use in -D/-U pairs
10GB-BX40-U					Tx 1270/Rx 1330			
10GB-BX10-D	SFP+	LC Simplex	Single Mode Fiber Single Fiber	10 km	Tx 1330/Rx 1270	-5 / 0	-14 / 0.5	Use in -D/-U pairs
10GB-BX10-U					Tx 1270/Rx 1330			

** Transmission distances are provided as a nominal guide only. Refer to the optical specifications and the specific characteristics of your fiber installation to determine achievable distances.*

*** Discontinued product. Specifications for reference only.*

Transceiver Specifications

	Type	Connector Type	Cable Type	Max Distance*	Wavelength nm	Tx Power Min/Max dBm	Rx Min/ Max dBm	Notes
Dual Rate 10Gb / Gigabit Transceivers								
10GB-LRLX-SFPP	SFP+	LC Duplex	Single Mode Fiber	10 km	1310	**10Gb** -8.2 / 0.5 **1Gb** -11 / -3	**10Gb** -14.2 / 0.5 **1Gb** -19 / -3	SFP+ ports only Dual rate 10Gb / 1Gb
10GB-SRSX-SFPP	SFP+	LC Duplex	Multi-mode Fiber OM1 62.5 µm OM2 50 µm OM3 50 µm OM4 50 µm	**10Gb Mode** 33 m 82 m 300 m 550 m	850	**10Gb** -5 / -1	**10Gb** -11.1 / 0.5	SFP+ ports only Dual rate 10Gb / 1Gb Note distance differences between 10Gb and 1Gb mode of operation
			Multi-mode Fiber OM1 62.5 µm OM2/OM3/OM4 50 µm	**1Gb Mode** 220 m 550 m		**1Gb** -9.5 / -1	**1Gb** -17 / .05	
10Gb Direct Attach Cables								
10GB-C01-SFPP	SFP+	SFP+	Copper	1 m	-	-	-	Direct attach cables with integrated SFP+ transceivers on each end
10GB-C03-SFPP	SFP+	SFP+	Copper	3 m	-	-	-	
10GB-C10-SFPP	SFP+	SFP+	Copper	10 m	-	-	-	
10Gb Laserwire® Direct Attach Cables **								
10GB-LW-SFPP	SFP+	Laserwire	Laserwire adapter	-	-	-	-	Laserwire cables require the use of Laserwire SFP+ or XFP adapters for each end
10GB-LW-XFP	XFP	Laserwire	Laserwire adapter	-	-	-	-	
10GB-LW-03	Laserwire	Laserwire	Laserwire cable	3 m	850			
10GB-LW-05	Laserwire	Laserwire	Laserwire cable	5 m				
10GB-LW-10	Laserwire	Laserwire	Laserwire cable	10 m				
10GB-LW-20	Laserwire	Laserwire	Laserwire cable	20 m				
Gigabit Ethernet								
Gigabit Transceivers								
MGBIC-07	SFP	LC Duplex	Single Mode Fiber	110 km	1550	0 / +5	-30 / -9	Min 14dB link attenuation
MGBIC-08	SFP	LC Duplex	Single Mode Fiber	80 km	1550	0 / +5	-24 / -3	Min 8dB link attenuation
I-MGBIC-GZX	SFP	LC Duplex						I-MGBIC -40° to +60 ° C
MGBIC-LC09	SFP	LC Duplex	Single Mode Fiber	10 km	1310	-9.5 / -3	-20 / -3	
I-MGBIC-GLX	SFP	LC Duplex						I-MGBIC -40° to +60 ° C
MGBIC-LC03	SFP	LC Duplex	Multi-mode Fiber OM1 62.5 µm OM2/OM3/OM4 50 µm	2 km 1 km	1310	-9 / -1	-19 / -1	
I-MGBIC-LC03	SFP	LC Duplex						I-MGBIC -40° to +60 ° C
MGBIC-LC01	SFP	LC Duplex	Multi-mode Fiber OM1 62.5 µm OM2/OM3/OM4 50 µm	220 m 550 m	850	-9.5 / -3	-17 / 0	
I-MGBIC-GSX	SFP	LC Duplex						I-MGBIC -40° to +60 ° C
MGBIC-MT01	SFP	MTRJ						
MGBIC-02	SFP	RJ45	Category 5E / Class D or better	100 m	-	-	-	Gigabit Ethernet only
I-MGBIC-GTX	SFP	RJ45						I-MGBIC -40° to +60 ° C

** Transmission distances are provided as a nominal guide only. Refer to the optical specifications and the specific characteristics of your fiber installation to determine achievable distances.*

*** The Laserwire® mark is a registered trademark and is the property of Finisar Corporation*

Transceiver Specifications (cont.)

Gigabit Bidirectional Single Fiber Transceivers								
MGBIC-BX120-D	SFP	LC Simplex	Single Mode Fiber Single Fiber	120 km	Tx 1590 / Rx 1490	-1 / +4	-32 / -7	Use in -D/-U pairs Min 11 dB link attenuation -40° to +60° C
MGBIC-BX120-U					Tx 1490 / Rx 1590			
MGBIC-BX40-D	SFP	LC Simplex	Single Mode Fiber Single Fiber	40 Km	Tx 1490 / Rx 1310	-5 / 0	-22 / 0	Use in -D/-U pairs -40° to +60° C
MGBIC-BX40-U					Tx 1310 / Rx 1490			
MGBIC-BX10-D	SFP	LC Simplex	Single Mode Fiber Single Fiber	10 km	Tx 1490 / Rx 1310	-9 / -3	-22 / -3	Use in -D/-U pairs
MGBIC-BX10-U					Tx 1310 / Rx 1490			
100 Megabit Ethernet								
Transceivers								
MGBIC-LC05	SFP	LC Duplex	Single Mode Fiber	10 km	1310	-15 / -8	-28 / -8	
MGBIC-LC04	SFP	LC Duplex	Multi-mode Fiber	2 km	1310	-20 / -15	-30 / -14	Same as MGBIC-N-LC04
MGBIC-100BT	SFP	RJ45	Category 5	100 m	-	-	-	100Mb only

Transceiver Compatibility

Compatibillity matrices are provided as a guide for which product platforms support which transceivers. These indicate the transceivers which have been tested and verified on specific products. Refer to the release notes for the products to determine what transceivers a specific release supports.

Gigabit Ethernet

		1 Gigabit Interfaces														
		SFP Modules														
Product Portfolio		**MGBIC-LC01**	**MGBIC-MT01**	**MGBIC-02**	**MGBIC-LC03**	**MGBIC-LC09**	**MGBIC-LC07**	**MGBIC-08**	**MGBIC-BX10-**	**MGBIC-BX40-**	**MGBIC-BX120-**	**I-MGBIC-GTX**	**I-MGBIC-GSX**	**I-MGBIC-LC03**	**I-MGBIC-GLX**	**I-MGBIC-GZX**
A- Series	**A2**	√	√	√	√	√	√	√	√							
	A4	√	√	√	√	√	√	√	√							
B-Series	**B2**	√	√	√	√	√	√	√	√							
	B3	√	√	√	√	√	√	√	√							
	B5	√	√	√	√	√	√	√	√	√	√					
C-Series	**C2**	√	√	√	√	√	√	√	√							
	C3	√	√	√	√	√	√	√	√							
	C5	√	√	√	√	√	√	√	√	√	√					
D-Series		√	√	√	√	√	√	√	√	√	√					
G-Series		√	√	√	√	√	√	√	√	√	√					
800-Series		√		√	√	√	√	√								
I-Series									√	√	√	√	√	√	√	√
N-Series		√	√	√	√	√	√	√	√	√	√					
S-Series		√	√	√	√	√	√	√	√	√	√					
K-Series		√	√	√	√	√	√	√	√	√	√					
X-Series		√	√	√	√	√	√	√	√	√	√					
E1		√	√	√	√	√		√	√							
NAC SFP Controller		√	√	√	√	√	√	√	√							
Wireless	**WS-AP3767e**												√	√	√	
	C5210	√		√	√											
7100-Series	**SFP+ Ports**	√		√	√	√	√	√	√							
	QSFP-SFPP-ADPT	√				√										

Transceiver Compatibility

10 Gigabit Ethernet

Product Portfolio		10 Gigabit Interfaces														
		SFP+ Modules										SFP+ Direct Attach Cables			Laserwire Adapters	
		10GB-USR-SFPP	10GB-SR-SFPP	10GB-LR-SFPP	10GB-LRM-SFPP	10GB-ER-SFPP	10GB-ZR-SFPP	10GB-LRLX-SFPP	10GB-SRSX-SFPP	10GB-BX10-D / -U	10GB-BX40-D / -U	10GB-C01-SFPP	10GB-C03-SFPP	10GB-C10-SFPP	10GB-LW-SFPP	10GB-LW-XFP
B-Series	B5	√	√	√	√	√	√			√	√	√	√	√	√	
C-Series	C5	√	√	√	√	√	√			√	√	√	√	√	√	
S-Series		√	√	√	√	√	√	√	√	√	√	√	√	√	√	
K-Series		√	√	√	√	√	√			√	√	√	√	√	√	
Wireless	C5210		√	√								√	√	√	√	
7100-Series		√	√	√	√	√	√			√	√	√	√	√	√	
QSFP-SFPP-ADPT Port Adapter		√	√	√		√	√			√	√	√	√	√	√	

Product Portfolio		10 Gigabit Interfaces (cont.)											
		XFP Modules						Laserwire Adapters		XENPAK Modules			
		10GBASE-SR-XFP	10GBASE-LRM-XFP	10GBASE-LR-XFP	10GBASE-ER-XFP	10GBASE-ZR-XFP	10GBASE-CX4-XFP	10GB-LW-SFPP	10GB-LW-XFP	10GBASE-SR	10GBASE-LX4	10GBASE-LR	10GBASE-ER
C-Series	C2	√	√	√	√	√	√		√				
	C3	√	√	√	√	√	√		√				
G-Series		√	√	√	√	√	√		√				
N-Series	DFE XENPAK									√	√	√	√
	DFE XFP	√	√	√	√	√	√		√				
X-Series		√	√	√	√	√	√		√				

40 Gigabit Ethernet

Product Portfolio		40 Gigabit Interfaces									
		QSFP+ Modules		QSFP+ Direct Attach Cables and Port Adapters							
		40GB-SR4-QSFP	40GB-LR4-QSFP	40GB-C0.5-QSFP	40GB-C01-QSFP	40GB-C03-QSFP	40GB-C07-QSFP	40GB-F10-QSFP	40GB-F20-QSFP	10GB-4-C03-QSFP	QSFP-SFPP-ADPT
7100-Series	7124	√	√	√	√	√	√	√	√	√	√
	7148	√	√	√	√	√	√	√	√	√	√
	7124T	√	√	√	√	√	√	√	√	√	√
	7148T	√	√	√	√	√	√	√	√	√	√
S-Series		√	√	√	√	√	√	√	√	√	√

100 Mb Fast Ethernet

Product Portfolio		100 Mbps Interfaces			
		SFP Modules			
		MGBIC-LC04	MGBIC-N-LC04	MGBIC-LC05	MGBIC-100BT
C3 - C3K Models Only		√	√	√	
B5		√	√	√	
C5		√	√	√	
N-Series	7G-6MGBIC-B	√	√	√	
	7K-2XFP-6MGBIC	√	√	√	
S-Series		√	√	√	√
K-Series		√	√	√	√
G-Series		√	√	√	
D-Series		√	√	√	
800-Series		√	√	√	

Model Number Information

Part Number	Description
40 Gigabit Transceivers	
40GB-SR4-QSFP	40 Gb, 40GBASE-SR4, MM, 100m OM3 / 150m OM4, MPO QSFP+
40GB-LR4-QSFP	40 Gb, 40GBASE-LR4, SM, 10km, LC QSFP+
40 Gigabit Direct Attach Cables and Adapters	
40GB-C0.5-QSFP	40 Gb, Copper Direct Attach Cable with integrated QSPF+ transceivers, 0.5m
40GB-C01-QSFP	40 Gb, Copper Direct Attach Cable with integrated QSPF+ transceivers, 1m
40GB-C03-QSFP	40 Gb, Copper Direct Attach Cable with integrated QSPF+ transceivers, 3m
40GB-C07-QSFP	40 Gb, Copper Direct Attach Cable with integrated QSPF+ transceivers, 7m
40GB-F10-QSFP	40 Gb, Active Optical Direct Attach Cable with integrated QSPF+ transceivers, 10m
40GB-F20-QSFP	40 Gb, Active Optical Direct Attach Cable with integrated QSPF+ transceivers, 20m
10GB-4-C03-QSFP	10 Gb, Copper Direct Attach Fan out Cable with 4 integrated SFP+ and 1 QSFP+ transceivers, 3m
QSFP-SFPP-ADPT	QSFP+ to SFP+ Adapter, supports a single 10Gb Ethernet SFP+ transceiver in a QSFP+ port (10GB-LRM-SFPP not supported)
9380014-5M	MPO 8 parallel fiber to 4 x LC duplex connectors, OM3 MM patch cord, 5 m
10 Gigabit Transceivers	
10GB-ZR-SFPP	10 Gb, 10GBASE-ZR, SM, 1550 nm, 80 km, LC SFP+
10GB-ER-SFPP	10 Gb, 10GBASE-ER, IEEE 802.3 SM, 1550 nm Long Wave Length, 40 km, LC SFP+
10GB-LR-SFPP	10 Gb, 10GBASE-LR, IEEE 802.3 SM, 1310 nm Long Wave Length, 10 km, LC SFP+
10GB-LRM-SFPP	10 Gb, 10GBASE-LRM, IEEE 802.3 MM, 1310 nm Short Wave Length, 220 m, LC SFP+
10GB-SR-SFPP	10 Gb, 10GBASE-SR, IEEE 802.3 MM, 850 nm , 33/82/300/550 m, LC SFP+
10GB-USR-SFPP	10 Gb, Ultra Short Reach MM, 850 nm, 100m on OM3 / 150 m on OM4, LC SFP+
10GB-USR-48PK	10GB-USR-SFPP, multi-pack bundle of 48 transceivers
10GB-BX40-D	10Gb, Single Fiber SM, Bidirectional, 1330nm Tx / 1270nm Rx, 40 Km, Simplex LC SFP+ (must be paired with 10GB-BX40-U)
10GB-BX40-U	10Gb, Single Fiber SM, Bidirectional, 1270nm Tx / 1330nm Rx, 40 Km, Simplex LC SFP+ (must be paired with 10GB-BX40-D)
10GB-BX10-D	10Gb, Single Fiber SM, Bidirectional, 1330nm Tx / 1270nm Rx, 10 Km, Simplex LC SFP+ (must be paired with 10GB-BX10-U)
10GB-BX10-U	10Gb, Single Fiber SM, Bidirectional, 1270nm Tx / 1330nm Rx, 10 Km, Simplex LC SFP+ (must be paired
10GBASE-ZR-XFP	10 Gb, 10GBASE-ZR, SM, 1550 nm Long Wave Length, 80 km, LC XFP
10GBASE-ER-XFP	10 Gb, 10GBASE-ER, IEEE 802.3 SM, 1550 nm Long Wave Length, 40 km, LC XFP
10GBASE-LR-XFP	10 Gb, 10GBASE-LR, IEEE 802.3 SM, 1310 nm Long Wave Length, 10 km, LC XFP
10GBASE-SR-XFP	10 Gb, 10GBASE-SR, IEEE 802.3 MM, 850 nm Short Wave Length, 33/82 m, LC XFP
10GBASE-CX4-XFP	10 Gb, 10GBASE-CX4, IEEE 802.3 TwinAxial, Copper SFF-8470, 15 m, LC XFP
10 Gigabit / Gigabit Dual Rate Transceivers	
10GB-LRLX-SFPP	10GB / 1GB Dual Rate, SM 1310 nm 10GBASE-LR / 1000BASE-LX, 10 km LC SFP+
10GB-SRSX-SFPP	10GB / 1GB Dual Rate, MM 850 nm 10GBASE-SR / 1000BASE-SX, LC SFP+

Model Number Information (cont.)

Part Number	Description
10 Gigabit Direct Attach Cables	
10GB-C10-SFPP	10 Gb, pluggable copper cable assembly with integrated SFP+ transceivers, 10 meters
10GB-C03-SFPP	10 Gb, pluggable copper cable assembly with integrated SFP+ transceivers, 3 meters
10GB-C01-SFPP	10 Gb, pluggable copper cable assembly with integrated SFP+ transceivers, 1 meter
10Gb Laserwire® Direct Attach Cables and Adapters	
10GB-LW-SFPP	10Gb, Laserwire® SFP+ adapter for use with Laserwire cable assembly*
10GB-LW-XFP	10Gb, Laserwire® XFP adapter for use with Laserwire cable assembly*
10GB-LW-20	10Gb, Laserwire® cable assembly, (requires Laserwire SFP+ or XFP adapters), 20 meters*
10GB-LW-10	10Gb, Laserwire® cable assembly, (requires Laserwire SFP+ or XFP adapters), 10 meters*
10GB-LW-05	10Gb, Laserwire® cable assembly, (requires Laserwire SFP+ or XFP adapters), 5 meters*
10GB-LW-03	10Gb, Laserwire® cable assembly, (requires Laserwire SFP+ or XFP adapters), 3 meters*
Gigabit Transceivers	
MGBIC-LC07	1 Gb, 802.3 SM,1550 nm, 110 km,LC SFP
MGBIC-08	1 Gb, 1000BASE-LX/LH, IEEE 802.3 SM, 1550 nm Long Wave Length, 80 km, LC SFP
MGBIC-LC09	1 Gb, 1000BASE-LX, IEEE 802.3 SM, 1310 nm Long Wave Length, 10 km, LC SFP
MGBIC-LC03	1 Gb, 1000BASE-LX, MM, 1310 nm Long Wave Length, 2 km, LC SFP
MGBIC-LC01	1 Gb, 1000BASE-SX, IEEE 802.3 MM, 850 nm Short Wave Length, 220/550 m, LC SFP
MGBIC-MT01	1 Gb, 1000BASE-SX, IEEE 802.3 MM, 850 nm Short Wave Length, 220/550 m, MTRJ SFP
MGBIC-02	1 Gb, 1000BASE-T, IEEE 802.3 Cat5, Copper Twisted Pair, 100 m, RJ 45 SFP
I-MGBIC-GZX	-40°C to +60°C, 1 Gb, 1000BASE-LX/LH, IEEE 802.3 SM, 1550 nm Long Wave Length, 80 km, LC SFP
I-MGBIC-GLX	-40°C to +60°C, 1 Gb, 1000BASE-LX, MM - 550 m, SM - 10 km, 1310 nm Long Wave Length, LC SFP
I-MGBIC-LC03	-40°C to +60°C, 1 Gb, 1000BASE-LX, MM, 1310 nm, 2 km with 62.5 MMF, 1 km with 50 MMF, LC SFP
I-MGBIC-GSX	-40°C to +60°C, 1 Gb, 1000BASE-SX, IEEE 802.3 MM, 850 nm Short Wave Length, 220/550 m, LC SFP
I-MGBIC-GTX	-40°C to +60°C, 1 Gb, 1000BASE-T, IEEE 802.3 Cat5, Copper Twisted Pair, 100 m, RJ 45 SFP
MGBIC-BX10-D	1 Gb, 1000Base-BX10-D Single Fiber SM, Bidirectional, 1490nm Tx / 1310nm Rx, 10 km, Simplex LC SFP
MGBIC-BX10-U	1 Gb, 1000Base-BX10-U Single Fiber SM, Bidirectional 1310nm Tx / 1490nm Rx, 10 km, Simplex LC SFP (must be paired with MGBIC-BX10-D)
MGBIC-BX40-D	1 Gb, 1000Base-BX40-D Single Fiber SM, Bidirectional, 1490nm Tx / 1310nm Rx, 40 Km, Simplex LC SFP (must be paired with MGBIC-BX40-U), -40°C to +60°C
MGBIC-BX40-U	1 Gb, 1000Base-BX40-U Single Fiber SM, Bidirectional, 1310nm Tx / 1490nm Rx, 40 Km, Simplex LC SFP (must be paired with MGBIC-BX40-D), -40°C to +60°C
MGBIC-BX120-D	1 Gb, 1000Base-BX120-D Single Fiber SM, Bidirectional, 1590nm Tx / 1490nm Rx, 120 Km, Simplex LC SFP (must be paired with MGBIC-BX120-U), -40°C to +60°C
MGBIC-BX120-U	1 Gb, 1000Base-BX120-U Single Fiber SM, Bidirectional, 1490nm Tx / 1590nm Rx, 120 Km, Simplex LC SFP (must be paired with MGBIC-BX120-D), -40°C to +60°C

** The Laserwire® mark is a registered trademark and is the property of Finisar Corporation*

Model Number Information (cont.)

Part Number	Description
100 Megabit Transceivers	
MGBIC-LC05	100 Mb, 100BASE-LX10, IEEE 802.3 SM, 1310 nm Long Wave Length, 10 km, LC SFP
MGBIC-LC04	100 Mb, 100BASE-FX, IEEE 802.3 MM, 1310 nm Long Wave Length, 2 km, LC SFP
MGBIC-100BT	100 Mb, 100BASE-T Copper twisted pair, 100 m, RJ45 SFP

Standards

IEEE 802.3
SFP MSA INF 8074i
SFP+ MSA SFF-8431
XFP MSA INF-8077i
QSFP MSA INF-8438i
QSFP+ MSA SFF-8436

Laser Safety

Class I Laser Eye Safety Compliance:
IEC 60825
FDA/CFH Title 21
OSHA TED 01-00-015

Additional eye safety notice:
Fiber optic transceivers operate in the infrared spectrum, outside of the visible spectrum. Users should always avoid looking directly into any laser transmission path.

Enterasys Third Party Transceiver Policy

Enterasys provides a wide range of fully tested and interoperable transceivers for use in our product platforms. Enterasys makes no claim or guarantee that any third party transceiver will operate correctly or at all when used in an Enterasys product. Enterasys strongly advises our customers to always use Enterasys transceivers in our product platforms to ensure compatibility with the product platform and interoperability with other industry standard transceiver devices.

Enterasys is not liable for and will not support Enterasys products that are found to be defective if the cause of the product failure is due to the use of a third party transceiver. Enterasys does not express or imply any warranty or support obligations for any third party transceivers.

Warranty

Enterasys Transceivers come with a one year hardware warranty. For full warranty terms and conditions please go to http://www.enterasys.com/support/warranty.aspx.

Service and Support

Enterasys Networks provides comprehensive service offerings that range from Professional Services to design, deploy and optimize customer networks, customized technical training, to service and support tailored to individual customer needs. Please contact your Enterasys account executive for more information about Enterasys Service and Support.

Contact Us

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